

Center for Biofilm Engineering Seminar Series: Spring 2023

Thursdays, 4:10 p.m. MDT

AIH 102, Montana State University

Date	Speaker	Affiliation	Presentation Title
1/19	No Seminar- First week of classes		
1/26	No Seminar		
2/2 *10 am MST Barnard 126	Dr. Natalia Ivleva	Lecturer, Analytical Chemistry, Technical University of Munich, Germany	Applicability and limitations of Raman microspectroscopy for analysis of microorganisms and biofilms on the single-cell level
2/9	No Seminar		
2/16	Dr. Danielle Ulrich	Assistant Professor, Ecology, MSU	Plant-microbe interactions influence plant physiology under drought
2/23 *9 am MST NAH 337	Dr. Cecilia Burzio	Chalmers University of Technology, Sweden	Removal of micropollutants from wastewater in aerobic granular sludge and activated sludge systems
3/2	Colin Gauvin Luke Findlay	Assistant Manager, Cryo-EM Facility, Martin Lawrence Lab, Chemistry & Biochem., MSU PhD Student, Martin Lawrence Lab, Chemistry & Biochem., MSU	Cryo-EM at MSU: From atoms to cells Structural studies of ribosome hibernation in <i>Pseudomonas aeruginosa</i>
3/9	No Seminar		
3/16	No Seminar – MSU Spring Break		
3/23	Dr. Erica McKenzie	Associate Professor, Environmental Engineering, Temple University	An environmental chemist's musings on chemical pollutants in a biological world: case studies of stormwater denitrification and PFAS biouptake
3/30 CBE Undergraduate Research Day	Diego Armstrong Jessica Dewit Lydia Diehl	Mechanical & Industrial Engineering, Yaofa Li Lab Cell Biology & Neuroscience, Diane Bimzcok Lab Ecology, Brent Peyton Lab	Fabrication of micromodels for analysis of drying and multiphase flow in porous media <i>Mycoplasma ovipneumoniae</i> biofilms contribute to antibiotic resistance and pathogen persistence in the ovine respiratory tract Rhizosphere microbiome structure under drought stress
4/6	Dr. Prathap Parameswaran	Associate Professor, Civil Engineering, Kansas State University	Circular bioeconomy for rural resiliency: Recovering efficient fertilizers, biogas, and water from diverse wastewaters with Anaerobic Membrane Bioreactors
4/13 *9 am MDT NAH 337	Dr. Mette Burmølle	Associate Professor, Microbiology, University of Copenhagen	Impact of interspecies interactions on structure and function of mixed biofilms
4/20	Scott Perl	Research Scientist, NASA, JPL	Preservation and validation of halophilic and psychrophilic microorganisms in Martian and icy moon analogs
4/27	Dr. Chelsea Heveran	Asst. Professor, Mech. & Industrial Eng., MSU, CBE	From bones to stones: Towards surmounting challenges in designing engineered living building materials
5/4	No Seminar		
5/11	No Seminar-Finals week		